## What is claimed is:

1. A compound of formula I or a pharmaceutically acceptable salt thereof:

$$R^{F1} \bigvee_{\substack{N \\ R^{F2}}} X \bigvee_{\substack{N \\ R^1}} R^2$$

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wherein

 $R^{F1}$  and  $R^{F2}$  are independently  $C_{1-6}$ alkyl substituted by one or more groups selected from -F, -Cl, -Br, -NO<sub>2</sub>, -CN, -OH, -CHO, -C(=O)-R' and -OR', wherein R' is a  $C_{1-3}$ alkyl;

Z is selected from O= and S=;

 $R^1 \text{ is selected from } C_{1-10} \text{alkyl, } C_{2-10} \text{alkenyl, } C_{2-10} \text{alkynyl, } R^3 R^4 N - C_{1-6} \text{alkyl, } R^3 O - C_{1-6} \text{alkyl, } R^3 C(=O)N(-R^4) - C_{1-6} \text{alkyl, } R^3 R^4 NS(=O)_2 - C_{1-6} \text{alkyl, } R^3 CS(=O)_2 N(-R^4) - C_{1-6} \text{alkyl, } R^3 R^4 NS(=O)_2 N(R^5) - C_{1-6} \text{alkyl, } C_{6-10} \text{aryl-} C_{1-6} \text{alkyl, } C_{6-10} \text{aryl-} C_{1-6} \text{alkyl, } C_{6-10} \text{aryl-} C_{1-6} \text{alkyl, } C_{3-10} \text{cycloalkyl-} C_{1-6} \text{alkyl, } C_{4-8} \text{cycloalkenyl-} C_{1-6} \text{alkyl, } C_{3-6} \text{heterocyclyl-} C_{1-6} \text{alkyl, } R^3 R^4 N - R^3 O - R^3 C(=O)N(-R^4) - R^3 R^4 NS(=O)_2 - R^3 CS(=O)_2 N(-R^4) - R^3 R^4 NC(=O)N(-R^5) - R^3 R^4 NS(=O)_2 N(R^5) - C_{6-10} \text{aryl, } C_{6-10} \text{aryl-} C(=O) - C_{1-6} \text{alkyl, } C_{3-6} \text{heterocyclyl-} C(=O) - C_{1-6} \text{alkyl, } C_{3-10} \text{cycloalkyl-} C_{1-6} \text{alkyl, } C_{1-10} \text{hydrocarbylamino, } C_{6-10} \text{aryl-} C(=O) - C_{1-6} \text{alkyl, } C_{3-6} \text{heterocyclyl-} C(=O) - C_{1-6} \text{alkyl, } C_{3-6} \text{heterocyclyl-} C(=O) - C_{1-6} \text{alkyl, } C_{3-10} \text{cycloalkyl, } C_{4-8} \text{cycloalkenyl, } C_{3-6} \text{heterocyclyl-} C(=O) - \text{used in defining } R^1 \text{ is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy, and } R^3 R^4 N - ;$ 

R<sup>2</sup> is selected from the group consisting of C<sub>1-10</sub>alkyl, C<sub>2-10</sub>alkenyl, C<sub>2-10</sub>alkynyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-6</sub>alkyl, C<sub>4-8</sub>cycloalkenyl-C<sub>1-6</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl-C<sub>1-6</sub>alkyl, C<sub>4-8</sub>cycloalkenyl, R<sup>3</sup>R<sup>4</sup>N-, C<sub>3-5</sub>heteroaryl, C<sub>6-10</sub>aryl and C<sub>3-6</sub>heterocycloalkyl, wherein said C<sub>1-10</sub>alkyl, C<sub>2-10</sub>alkenyl, C<sub>2-10</sub>alkynyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-6</sub>alkyl, C<sub>4-8</sub>cycloalkenyl-C<sub>1-6</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl-C<sub>1-6</sub>alkyl, C<sub>4-8</sub>cycloalkenyl, C<sub>3-5</sub>heteroaryl, C<sub>6-10</sub>aryl or C<sub>3-6</sub>heterocycloalkyl used in defining R<sup>2</sup> is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy and R<sup>3</sup>R<sup>4</sup>N-; and

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 $R^3$  and  $R^4$  and are independently selected from -H,  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl,  $C_{2-6}$ alkynyl, and a divalent  $C_{1-6}$  group that together with another divalent  $C_{1-6}$ group selected from  $R^3$  and  $R^4$  forms a portion of a ring.

## 2. A compound as claimed in claim 1, wherein

R<sup>F1</sup> and R<sup>F2</sup> are independently selected from -CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CHF<sub>2</sub>, -CHFCF<sub>3</sub>, -CHFCH<sub>2</sub>, -CHFCH<sub>2</sub>F, -CF<sub>2</sub>CH<sub>3</sub>, -CF<sub>2</sub>CH<sub>3</sub>, -CF<sub>2</sub>CH<sub>2</sub>F, -CF<sub>2</sub>CHF<sub>2</sub>, -CF<sub>3</sub>, -CH<sub>2</sub>CCl<sub>3</sub>, -CH<sub>2</sub>CHCl<sub>2</sub>, -CH<sub>2</sub>CBr<sub>3</sub>, -CH<sub>2</sub>CHBr<sub>2</sub>, -CH<sub>2</sub>NO<sub>2</sub>, -CH<sub>2</sub>CH<sub>2</sub>NO<sub>2</sub>, -CH<sub>2</sub>CN, -CH<sub>2</sub>CH<sub>2</sub>CN, and -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>;

10 Z is O=;

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 $R^1$  is selected from  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl,  $C_{2-6}$ alkynyl,  $R^3R^4N$ - $C_{1-4}$ alkyl,  $R^3O$ - $C_{1-4}$ alkyl,  $R^3C(=O)N(-R^4)$ - $C_{1-4}$ alkyl, phenyl- $C_{1-4}$ alkyl, phenyl-C(=O)- $C_{1-4}$ alkyl,  $C_{3-10}$ cycloalkyl- $C_{1-4}$ alkyl,  $C_{4-6}$ cycloalkenyl- $C_{1-4}$ alkyl,  $C_{3-6}$ heterocyclyl- $C_{1-4}$ alkyl,  $C_{3-6}$ heterocyclyl-C(=O)- $C_{1-4}$ alkyl,  $C_{3-6}$ heterocyclyl and  $C_{3-6}$ heterocyclyl-C(=O)-; wherein said  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl,  $C_{2-6}$ alkynyl, phenyl- $C_{1-4}$ alkyl, phenyl-C(=O)- $C_{1-4}$ alkyl,  $C_{3-10}$ cycloalkyl- $C_{1-4}$ alkyl,  $C_{3-6}$ heterocyclyl-C(=O)- $C_{$ 

R<sup>2</sup> is selected from the group consisting of C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl-C<sub>1-4</sub>alkyl, C<sub>4-6</sub>cycloalkenyl, C<sub>3-5</sub>heteroaryl, R<sup>3</sup>R<sup>4</sup>N-, phenyl and C<sub>3-6</sub>heterocycloalkyl, wherein said C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>4-6</sub>cycloalkenyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl-C<sub>1-4</sub>alkyl, C<sub>4-6</sub>cycloalkenyl, C<sub>3-5</sub>heteroaryl, phenyl or C<sub>3-6</sub>heterocycloalkyl used in defining R<sup>2</sup> is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy and R<sup>3</sup>R<sup>4</sup>N-; and R<sup>3</sup> and R<sup>4</sup> are independently selected from -H, C<sub>1-6</sub>alkyl and C<sub>2-6</sub>alkenyl.

3. A compound as claimed claim 1, wherein

R<sup>F1</sup> and R<sup>F2</sup> are independently selected from -CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CHF<sub>2</sub>, -CHFCF<sub>3</sub>, -CHFCH<sub>2</sub>, -CF<sub>2</sub>CH<sub>3</sub>, -CF<sub>2</sub>CH<sub>3</sub>, -CF<sub>2</sub>CH<sub>2</sub>F, -CF<sub>2</sub>CHF<sub>2</sub>, and -CF<sub>3</sub>;

Z is O=;

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R<sup>1</sup> is selected from C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, R<sup>3</sup>R<sup>4</sup>N-, R<sup>3</sup>R<sup>4</sup>N-C<sub>1-4</sub>alkyl, R<sup>3</sup>O-C<sub>1-4</sub>alkyl, R<sup>3</sup>C(=O)N(-R<sup>4</sup>)-C<sub>1-4</sub>alkyl, phenyl-C<sub>1-4</sub>alkyl, phenyl-C(=O)-C<sub>1-4</sub>alkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>4-6</sub>cycloalkenyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocyclyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-C<sub>1-4</sub>alkyl, phenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>heterocyclyl and C<sub>3-6</sub>heterocyclyl-C(=O)-; wherein said C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, R<sup>3</sup>R<sup>4</sup>N-C<sub>1-4</sub>alkyl, R<sup>3</sup>O-C<sub>1-4</sub>alkyl, R<sup>3</sup>C(=O)N(-R<sup>4</sup>)-C<sub>1-4</sub>alkyl, phenyl-C<sub>1-4</sub>alkyl, phenyl-C<sub>1-4</sub>alkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-C<sub>1-4</sub>alkyl, phenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-C<sub>1-4</sub>alkyl, phenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>heterocyclyl-C(=O)- used in defining R<sup>1</sup> is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy and R<sup>3</sup>R<sup>4</sup>N-:

 $R^2$  is selected from the group consisting of  $C_{1\text{-}6}$ alkyl,  $C_{3\text{-}10}$ cycloalkyl,  $R^3R^4N$ -,  $C_{3\text{-}10}$ cycloalkyl- $C_{1\text{-}4}$ alkyl,  $C_{3\text{-}6}$ heterocycloalkyl- $C_{1\text{-}4}$ alkyl,  $C_{3\text{-}6}$ heterocycloalkyl,  $C_{3\text{-}5}$ heteroaryl, and phenyl wherein said  $C_{1\text{-}6}$ alkyl,  $C_{3\text{-}10}$ cycloalkyl,  $C_{3\text{-}10}$ cycloalkyl- $C_{1\text{-}4}$ alkyl,  $C_{3\text{-}6}$ heterocycloalkyl- $C_{1\text{-}4}$ alkyl,  $C_{3\text{-}6}$ heterocycloalkyl,  $C_{3\text{-}5}$ heteroaryl, and phenyl used in defining  $R^2$  is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy and  $R^3R^4N$ -; and

R<sup>3</sup> and R<sup>4</sup> are independently selected from -H, C<sub>1-6</sub>alkyl and C<sub>2-6</sub>alkenyl.

4. A compound as claimed in claim 1, wherein  $R^{F1}$  and  $R^{F2}$  are -CH<sub>2</sub>CF<sub>3</sub>;

Z is O=;

R¹ is selected from cyclohexylmethyl, cyclopentylmethyl, cyclobutylmethyl, cyclopropylmethyl, ethyl, propyl, adamantyl, adamantylmethyl, allyl, isopentyl, benzyl, methoxyethyl, tetrahydropyranylmethyl, tetrahydrofuranylmethyl, cyclohexyloxy, cyclohexylamino, dimethylaminoethyl, 4-pyridylmethyl, 2-pyridylmethyl, 1-pyrrolylethyl, 1-morpholinoethyl, 4,4-difluorocyclohexylmethyl, cyclohexylmethyl, 2-pyrrolidylmethyl, N-methyl-2-piperidylmethyl, 3-thienylmethyl, (2-nitrothiophene-5-yl)-methyl, (1-methyl-1H-imidazole-2-yl)methyl, (5-(acetoxymethyl)-2-furyl)methyl), (2,3-dihydro-1H-isoindole-1-yl)methyl, and 5-(2-methylthiazolyl); and

R<sup>2</sup> is selected from t-butyl, n-butyl, 2-methyl-2-butyl, cyclohexyl, cyclohexylmethyl, n-pentyl, isopentyl, trifluoromethyl, 1,1-difluoroethyl, N-piperidyl, dimethylamino, phenyl, pyridyl, tetrahydrofuranyl, tetrahydropyranyl, 2-methoxy-2-propyl, and N-morpholinyl.

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- 5. A compound selected from 2-tert-Butyl-1-(cyclohexylmethyl)-N,N-bis(2,2,2-trifluoroethyl)-1H-benzimidazole-5-carboxamide and pharmaceutically acceptable salts thereof.
- 5 6. A compound according to any one of claims 1-5 for use as a medicament.
  - 7. The use of a compound according to any one of claims 1-5 in the manufacture of a medicament for the therapy of pain.
- 10 8. The use of a compound according to any one of claims 1-5 in the manufacture of a medicament for the treatment of anxiety disorders.
  - 9. The use of a compound according to any one of claims 1-5 in the manufacture of a medicament for the treatment of cancer, multiple sclerosis, Parkinson's disease, Huntington's chorea, Alzheimer's disease, gastrointestinal disorders and cardiavascular disorders...
  - 10. A pharmaceutical composition comprising a compound according to any one of claims 1-5 and a pharmaceutically acceptable carrier.
- 20 11. A method for the therapy of pain in a warm-blooded animal, comprising the step of administering to said animal in need of such therapy a therapeutically effective amount of a compound according to any one of claims 1-5.
  - 12. A method for preparing a compound of formula I,

$$\begin{array}{c|c}
R^{F1} & Z \\
N & R^{F2}
\end{array}$$

$$\begin{array}{c|c}
N & R^2 \\
R^1
\end{array}$$

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comprising the step of reacting a compound of formula II,

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with a compound of R<sup>2</sup>C(=O)-X to form the compound of formula I, wherein

R<sup>F1</sup> and R<sup>F2</sup> are independently selected from -CF<sub>3</sub>, -CH<sub>2</sub>CF<sub>3</sub>, -CH<sub>2</sub>CHF<sub>2</sub>, -CHFCF<sub>3</sub>, -CHFCH<sub>2</sub>F, -CF<sub>2</sub>CF<sub>3</sub>, -CF<sub>2</sub>CH<sub>3</sub>, -CF<sub>2</sub>CH<sub>2</sub>F, -CF<sub>2</sub>CHF<sub>2</sub>, and -CF<sub>3</sub>;

Z is selected from O= and S=;

X is selected from -Cl, -Br, -I, -OH, -OCH<sub>3</sub>, and -OCH<sub>2</sub>CH<sub>3</sub>;

R<sup>1</sup> is selected from C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, R<sup>3</sup>R<sup>4</sup>N-C<sub>1-4</sub>alkyl, R<sup>3</sup>O-C<sub>1-4</sub>alkyl,

R<sup>3</sup>C(=O)N(-R<sup>4</sup>)-C<sub>1-4</sub>alkyl, phenyl-C<sub>1-4</sub>alkyl, phenyl-C(=O)-C<sub>1-4</sub>alkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>4-6</sub>cycloalkenyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocyclyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-C<sub>1-4</sub>alkyl, phenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>heterocyclyl and C<sub>3-6</sub>heterocyclyl-C(=O)-; wherein said C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, R<sup>3</sup>R<sup>4</sup>N-C<sub>1-4</sub>alkyl, R<sup>3</sup>O-C<sub>1-4</sub>alkyl, R<sup>3</sup>C(=O)N(-R<sup>4</sup>)-C<sub>1-4</sub>alkyl, phenyl-C<sub>1-4</sub>alkyl, phenyl-C<sub>1-4</sub>alkyl, C<sub>3-10</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>4-6</sub>cycloalkenyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-C<sub>1-4</sub>alkyl, phenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-C<sub>1-4</sub>alkyl, phenyl, C<sub>3-10</sub>cycloalkyl, C<sub>3-6</sub>heterocyclyl-C(=O)-used in defining R<sup>1</sup> is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy, and R<sup>3</sup>R<sup>4</sup>N-:

R<sup>2</sup> is selected from the group consisting of C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl, R<sup>3</sup>R<sup>4</sup>N-,

C<sub>3-6</sub>cycloalkyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl, C<sub>3-5</sub>heteroaryl, and phenyl wherein said C<sub>1-6</sub>alkyl, C<sub>3-6</sub>cycloalkyl, C<sub>3-6</sub>cycloalkyl-C<sub>1-4</sub>alkyl,

C<sub>3-6</sub>heterocycloalkyl-C<sub>1-4</sub>alkyl, C<sub>3-6</sub>heterocycloalkyl, C<sub>3-5</sub>heteroaryl, and phenyl used in defining R<sup>2</sup> is optionally substituted by one or more groups selected from halogen, cyano, nitro, methoxy, ethoxy, methyl, ethyl, hydroxy and amino; and

R<sup>3</sup> and R<sup>4</sup> are independently selected from -H, C<sub>1-6</sub>alkyl and C<sub>2-6</sub>alkenyl.